

OPERATING GUIDE

Versamix[™] Portable Mixing Console





Intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

CAUTION Risks of electrical shock — **DO NOT OPEN**

CAUTION To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer Servicing to qualified service personnel.

WARNING To prevent electrical shock or fire hazard, do not expose this appliance to rain or moisture. Before using this appliance, read the operating guide for further warnings.



Este símbolo tiene el propósito de alertar al usuario de la presencia de instrucciones importantes sobre la operación y mantenimiento en la literatura que viene con el producto.



Este símbolo tiene el propósito de alertar al usuario de la presencia de "(voltaje) peligroso" que no tiene aislamiento dentro de la caja del producto que puede tener una magnitud suficiente como para constituir riesgo de corrientazo.

PRECAUCION Riesgo de corrientazo - No abra.

PRECAUCION Para disminuir el riesgo de corrientazo, no abra la cubierta. No hay piezas adentro que el usuario pueda reparar. Deje todo mantenimiento a los técnicos calificados.

ADVERTENCIA Para evitar corrientazos o peligro de incendio, no deje expuesto a la lluvia o humedad este aparato. Antes de usar este aparato, lea más advertencias en la guía de operación.



Ce symbole est utilisé pour indiquer à l'utilisateur qu'il ou qu'elle trouvera d'importantes instructions sur l'utilisation et l'entretien (service) de l'appareil dans la littérature accompagnant le produit.



Ce symbole est utilisé pour indiquer à l'utilisateur la présence à l'intérieur de ce produit de tension non isolée dangereuse pouvant être d'intensité suffisante pour constituer un risque de choc électrique.

ATTENTION Risques de choc électrique — **NE PAS OUVRIR!**

ATTENTION Afin de réduire le risque de choc électrique, ne pas enlever le couvercle. Il ne se trouve à l'intérieur aucune pièce pouvant être réparée par l'utilisateur. Confier l'entretien à un personnel qualifié.

AVERTISSEMENT Afin de prévenir les risques de décharge électrique ou de feu, n'exposez pas cet appareil à la pluie ou à l'humidité. Avant d'utiliser cet appareil, lisez les avertissements supplémentaires situés dans le guide d'utilisation.



Dieses Symbol soll den Benutzer auf wichtige Instruktionen in der Bedienungsanleitung aufmerksam machen, die Handhabung und Wartung des Produkts betreffen.



Dieses Symbol soll den Anwender vor unisolierten gefährlichen Spannungen innerhalb des Gehäuses warnen, die von Ausreichender Stärke sind, um einen elektrischen Schlag verursachen zu können.

VORSICHT Risiko - Elektrischer Schlag! Nicht öffnen!

VORSICHT Um das Risiko eines elektrischen Schlages zu vermeiden, nicht die Abdeckung entfernen. Es befinden sich keine Teile darin, die vom Anwender repariert werden könnten. Reparaturen nur von qualifiziertem Fachpersonal durchführen lassen.

ACHTUNG Um einen elektrischen Schlag oder Feuergefahr zu vermeiden, sollte dieses Gerät nicht dem Regen oder Feuchtigkeit ausgesetzt werden. Vor Inbetriebnahme unbedingt die Bedienungsanleitung lesen.

Thank you for purchasing the Peavey® Versamix™. This is a powerful, easy-to-use, fully integrated, CD/studio quality, highly versatile, portable mixing console.

Your Versamix features a rugged, heavy-gauge, cold-rolled steel chassis, finished in oven-cured epoxy for toughness and screen-printed, utilizing the latest photographic film and U.V.-cured ink technology for razor-sharp, hard-wearing, control I.D. and calibration graphics.

Every on-board component, including control faders and rotary potentiometers, have been carefully chosen to deliver the highest possible performance. Precision, professional reliability, and absolute minimal operating noise characteristics are only among the initial criteria used during the process of selecting the components that ensure your Versamix of becoming an indispensable addition to your studio or live performance.

All printed circuit boards are constructed from rugged U.S. military spec. material using the latest automated assembly technology, wave solder, and computer-controlled "all-faults analyzed and corrected" Q.A. procedures.

Before and during every design stage, user input was sought from sound mixing professionals in both the studio and touring fields to refine the user interface, resulting in a "clean," more user-friendly design that was previously not possible in a mixer of this minimal size and extreme complexity.

Each channel features a front panel gain trim, as well as High, Mid, and Low equalization. Each channel has one auxiliary send that is switchable to Pre (Mon) or Post (Aux) Fader/EQ (Aux 1); one Auxiliary send that is fixed Post EQ/fader (Aux 2), and two selectable pairs of post EQ/Fader Auxiliary sends (Aux 3/4 or Aux 5/6); Pan control, Mute/Alt send switch, Solo switch, Clip LED, and a 45 mm fader. Six of the input channels have studio-quality, low impedance (XLR-type input) microphone preamps, or all 16 channels can be used as line inputs. A post-fader insert point is available on channels 1 through 8, delivering a choice of either effects patching capability or direct outs for recording.

The Versamix's master section has a stereo tape return with a novel Playback/Record enable switch. This delivers, without having to repatch, recording and playback facilities from the same tape deck, free from bothersome feedback caused by tape deck record monitor electronics. Stereo returns 1 & 2 have Level and Pan controls. In addition to Level and Pan controls, stereo returns 3 & 4 have monitor sends. Automatic Stereo/Mono switching is built into the input jacks.

A dual 10 segment LED meter monitors the L/R bus or Solo when activated. Solo bus to main and Alt output to main switching is provided. A headphone jack, headphone level fader, and lamp socket are available on the front panel.

For best utilization of rack space and access to input/output connections, all input jacks, output jacks, insert points, and phantom power switch are mounted on a separate I/O module, which can be attached in at least 8 different orientations.

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Quick-start — How to set up your Versamix quickly?

Set all channel trim controls (15) to zero dB (center detent position.)

Set all channel faders (1) to zero dB.

Slowly advance the L & R master faders until you have the output level you need

NOTE: This will vary according to your individual application.

Versamix Finer Adjustment Method

Activate (press down) the SOLO switch on any channel. When the channel fader is set to the zero dB position (unity gain), the LED meters show the actual operating levels for that particular “SOLOed” channel.

Now you can adjust the input trim control to optimize channel signal-to-noise ratio and dynamic range. A meter reading of approximately zero (“0”) will give best results as it delivers 18 dB headroom with excellent signal-to-noise characteristics.

Set up every channel individually using the above method, then adjust the level and pan of each channel to balance the mix in the L & R main output as desired. For optimum performance adjust the main L & R mix faders so that the highest settings in the channel faders are about 0 dB (unity gain), consistent with the desired sound level. This will provide optimum balance between signal-to-noise ratio and headroom, plus allowing individual channels to be boosted for lead passages without upsetting the rest of the mix by giving the channel faders “somewhere to go.”



1 CHANNEL CONTROLS:

Channel Level Fader (1)

Determines the level of the channel in the left and right mixes. Calibration is in dB and is variable from -infinity (off) to +10 dB. This control should be operated near the 0 dB (unity gain) indicator whenever possible to assure an optimum balance between channel noise and headroom.

Limit LED (2)

Indicates when the signal level in the channel is too high. It illuminates when the channel signal reaches approximately +12 dBV.

SOLO Push Button Switch (3)

Routes a post-fader signal to the headphones for cueing purposes. Solo system is active when the switch is in the down position.

MUTE Push Button Switch (4)

Mutes channel functions. When a channel's mute switch is in the down position the mute is active and all signals routed from this channel to L, R, and Aux buses 1-6 are disabled.

This channel's muted signal is routed to the ALT A & B mixes. The ALT A & B mixes can be used to cue muted channels anticipating a punch-in. ALT A & B outputs are available at ALT A & B or in headphone with ALT SOLO.

PAN Rotary Control (5)

For stereo operation Pan is used to position the channel's output to Left, Right, or in between. For mono operation the pan control is positioned to assign the channel to either Left (16a) or Right (16b) master.

AUX 4/6 Level Control (6)

Adjusts the level of the post-fader signal sent from the channel to the Aux 4/6 mixes. This signal is sent to AUX 4 when the select switch (8) is in the up position or AUX 6 when the select switch (8) is in the down position.

AUX 3/5 Level Control (7)

Adjusts the level of the post-fader signal sent from the channel to the Aux 3/5 mixes. This signal is sent to AUX 3 when the select switch (8) is in the up position or AUX 5 when the select switch (8) is in the down position.

AUX 3/4; 5/6 Push Button Select Switch (8)

Selectively routes post-fader channel signals from the Aux 3/5 (7) and 4/6 (6) level controls. When this switch is in the up position, these signals are sent to Auxes 3 and 4, or when this switch is in the down position, these signals are sent to Auxes 5 and 6.

AUX 2 Level Control (9)

Adjusts the level of the post-fader signal sent from the channel to the Aux 2 mix. This signal is sent to Aux 2 at all times.



AUX 1/MON Level Control (10)

Adjusts the level of either a post-fader signal sent to the Aux 1 mix or a pre-fader signal sent to the MON mix, depending on the position of the AUX1/MON switch (11).

AUX 1/MON Push Button Switch (11)

Selectively routes channel signals from the AUX 1/MON (10) level control. When this switch is in the up position, a post EQ signal is sent to Aux 1 mix. When this switch is in the down position, a pre-EQ signal is sent to Mon mix.

LOW EQ Rotary Control (12)

Adjusts the low frequency gain of the channel. The Low EQ is a shelving type and a maximum of ± 15 dB @ 50 Hz change in Low frequency gain is possible. Counter-clockwise rotation decreases low-frequency gain. Clockwise rotation increases low frequency gain. Low frequency response is flat when the control is positioned in the center (detent) position.

MID EQ Rotary Control (13)

Used to adjust the mid-frequency gain of the channel. The Mid EQ is a peak/notch type and a maximum of ± 12 dB @ 500 Hz change in Mid frequency gain is possible. Counter-clockwise rotation decreases mid-frequency gain. Clock-wise rotation increases mid frequency gain. Mid frequency response is flat when the control is positioned in the center (detent) position.

HI EQ Rotary Control (14)

Adjusts the high frequency gain of the channel. The High EQ is a shelving type and a maximum of ± 15 dB @ 10 kHz change in high frequency gain is possible. Counter-clockwise rotation decreases high-frequency gain. Clock-wise rotation increases high frequency gain. High frequency response is flat when the control is positioned in the center (detent) position.

TRIM Rotary Control (15)

Adjusts the gain of the input amplifier. Counter-clockwise rotation reduces the gain while Clockwise rotation increases gain. Unity gain is located at the center detent position. On channels 1-6 the gain of both the Mic and Line signals are adjusted simultaneously by using this TRIM control.

2 MASTER SECTION:

LEFT (16a)/RIGHT (16b) Faders

These are the master faders for all channels and determine the overall main, or "House," mix levels. They may also be used to set 2-track recording levels for studio applications.

HEADPHONE Fader (17)

Adjusts selected signal levels to the headphone jack.

When the SOLO facility is inactive, pre fader signals are taken from the Left and Right main faders and routed to the headphone jack.

When the SOLO facility is active, the selected soloed signals are routed to the headphone jack. Use only stereo headphones of 8-300 ohms impedance. High-quality stereo headphones are ideal for this application.

HEADPHONE Jack (18)

This stereo jack allows signal to flow to both sides of any stereo headset. Tip = Left, Ring = Right.

SOLO LED (19)

This LED lights whenever the SOLO facility is active.

NOTE: The SOLO facility is active whenever any solo switch is in the down position. When the SOLO facility is active, the SOLO LED (19) illuminates, the solo signal replaces the normal L & R signals in the headphone jack (18) and the Meters (38) show the level of the soloed signal.

L/R MUTE Push Button Switch (20)

Mutes the LEFT and RIGHT MAIN OUTPUT jacks (46) when this switch is placed in the down position.

ALT SOLO Push Button Switch (21)

Routes ALT L and ALT R Output (47) signals to the headphone jack (18) when the ALT SOLO (21) switch is in the down position.

SOLO TO MAIN Push Button Switch (22)

Routes all solo selected channels to the L & R outputs when the SOLO TO MAIN switch (22) is in the down position. The solo signal replaces the signal normally heard in the L & R outputs.

RETURN SOLO Push Button Switch (23)

Routes all returns to the SOLO mix when the RETURN SOLO (23) switch is in the down position.

RETURN 4 SECTION:

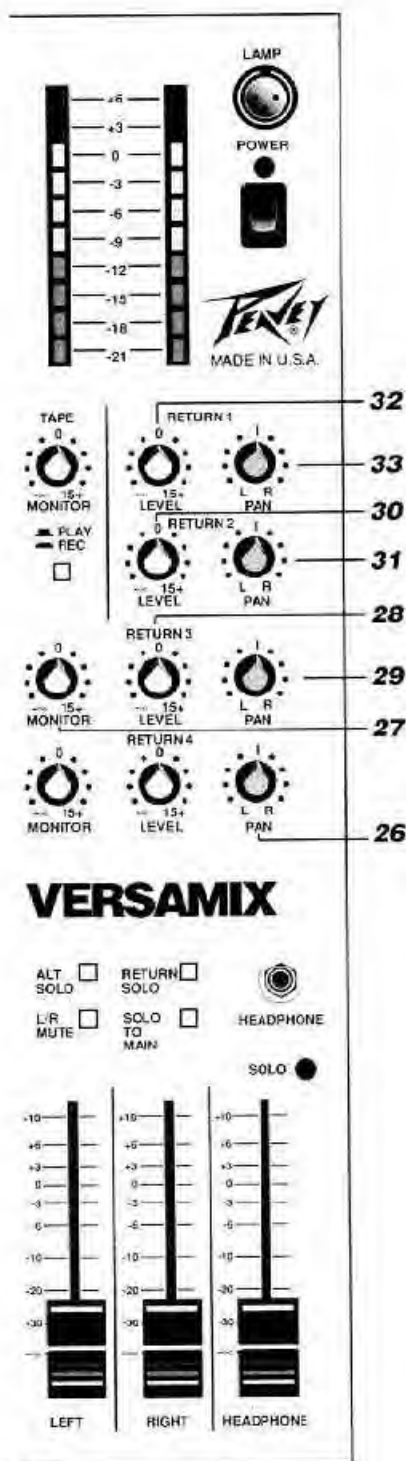
MONITOR Control (24)

Adjusts the level of the return signal sent to the monitor mix. Counter-clockwise rotation decreases monitor gain. Clockwise rotation increases monitor gain.

Level Control (25)

Adjusts the level of the return 4 signal sent to the L & R mixes. This is a stereo signal. Counter-clockwise rotation decreases Return 4 gain. Clockwise rotation increases Return 4 gain.





PAN Control (26)

Adjusts the balance of the stereo RETURN 4 signal sent to the L & R mixes.

NOTE: If the return signal is mono, return may be positioned to Right, Left, or any position between these.

RETURN 3 SECTION:

MONITOR Control (27)

Adjusts the level of the RETURN 3 signal sent to the monitor mix. Counter-clockwise rotation decreases monitor gain. Clockwise rotation increases monitor gain.

Level Control (28)

Adjusts the level of the RETURN 4 signal sent to the L & R mixes. This is a stereo signal. Counter-clockwise rotation decreases Return 3 level. Clockwise rotation increases Return 3 level.

PAN Control (29)

Adjusts the balance of the stereo RETURN 3 signal sent to the L & R mixes.

NOTE: If the return signal is mono, return may be positioned to Right, Left, or any position between these.

RETURN 2 SECTION:

Level Control (30)

Adjusts the level of the RETURN 2 signal sent to the L & R mixes. This is a stereo signal. Counter-clockwise rotation decreases Return 2 level. Clockwise rotation increases Return 2 level.

PAN Control (31)

Adjusts the balance of the stereo signal sent to the L & R mixes.

NOTE: If the return signal is mono, return may be positioned to Right, Left, or any position between these.

RETURN 1 SECTION

Level Control (32)

Adjusts the level of the RETURN 1 signal sent to the L & R mixes. This is a stereo signal. Counter-clockwise rotation decreases Return 1 level. Clockwise rotation increases Return 1 level.

PAN Control (33)

Adjusts the balance of the stereo signal sent to the L & R mixes.

NOTE: If the return signal is mono, return may be positioned to Right, Left or any position between these.



TAPE Level Control (34)

Adjusts the signal level sent from the Left and Right tape returns to the L & R mixes.

PLAY/REC Switch (35)

Selects between TAPE SND. (output) and TAPE RET. (input). This switch should be in the down position to record (TAPE SND. jacks [50] enabled) and in the up position for playback (TAPE RET. [49] jacks enabled).

NOTE: The tape outputs and inputs are supplied with a unique interlocked switching facility for tape PLAY/RECORD. This facility allows only either the inputs or the outputs to be active at one time. This allows a tape deck to be connected and used for both play and record without the potential for feedback which would be possible if the signal were to be fed-back through the tape recorder's tape monitoring electronics.

LAMP (36)

A 2-pin XLR jack is provided for connecting an optional gooseneck mixer lamp for illumination in adverse lighting conditions. We recommend Peavey lamp types ML-2 or ML-3 for this application.

NOTE: Some non-Peavey lamps may not work properly with the Versamix due to their incompatible wiring.

POWER ON/OFF SWITCH (37)

Depress to the "On" position to turn on.

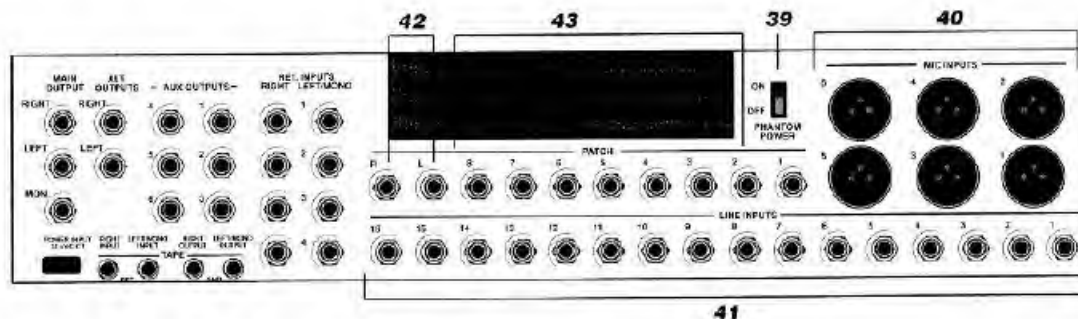
POWER LED (37a)

Illuminates to show that electrical power is present at the unit.

LED Arrays (Left and Right) (38)

Two calibrated LED arrays are provided to visually indicate program output levels.

NOTE: When the SOLO facility is active the Meters (38) show the levels of the soloed signals.



POD:

Phantom Power On/Off (39)

This switch selects +48V DC phantom power for all channels. In the “Off” position no phantom powering is available on any channels.

INPUTS:

XLR Inputs #1-6 (40)

Used to connect low impedance mics or other balanced signals to the channel module. The connector is an industry standard, 3-pin, XLR female. Pin 1 is signal ground, pin 2 is in phase (+), and pin 3 is phase reversed (-).

LINE Inputs #1-16 (41)

Used to connect line level signals. The connector is a stereo (RTS) ¼” phono connector on channels 1 to 6. Tip is signal, Ring is differential ground, and Sleeve is signal ground. The line input will accept mono or stereo ¼” plugs. When a stereo plug is used, the Ring should be connected to the signal return of the external device if it has a balanced output, or to the signal ground of the external device if it has an unbalanced output. In either case, noise (hum) due to grounds can be reduced by using the stereo connection. The connector is a mono (TS) ¼” phone connector on channels 7-16. Tip is signal and Sleeve is signal ground.

PATCH R & L (42)

Used to insert signal processing devices in the Left and Right signal paths. This is a ¼” RTS connector. Tip is output, Ring is return, and Sleeve is signal ground.

“TWEAK” NOTE: The signal derived at this patch point is phase reversed from all other signals found throughout this mixer. When PATCH R & L is used (as intended) as an insert point, this will cause no problems.

PATCH 1-8 (43)

Used to insert signal processors into the channel 1 to 8 signal paths. This is a ¼” Ring-Tip-Sleeve connector. Tip is output, Ring is return, and Sleeve is signal ground.

This is a post fader patch point and may be used in three ways:

1. As a channel insert point where Tip is output, Ring is return and sleeve is signal ground.
2. As a direct channel output for recording etc. Plug in a ¼” Tip-Sleeve jack. This will disconnect the channel from all internal mixes with the exception of Monitor, making the channel fader, pan, solo and all AUXes inactive.
3. As a direct channel output for recording, etc., without disconnecting the internal mixes. A quick method of achieving this is to plug a ¼” Tip-Sleeve jack until the “first” click is felt. This may not always work with all ¼” plugs owing to variations in international plug design. Using a ¼” Tip-Ring-Sleeve jack with Tip and Ring connected (hard-wired) to each other is highly recommended as a more professional and reliable method.



RET. INPUTS 1-4 (44)

These general purpose Returns may be used as Stereo or Mono inputs direct to L & R. They may be used for inputs from tape recorders (tape monitoring), CD players, effects devices, or any other line level source. Returns 3 & 4 also provide the ability to return signals to the monitor mix.

RIGHT RETURN

For stereo operation, the right signal from a stereo line source is connected here. For mono operation, this jack is left unconnected.

LEFT/MONO RETURN

For stereo operation, the left signal from a stereo line source is connected here. For mono operation, the mono signal from a mono line-level source is connected here. This mono signal is internally patched to the right return input which results in mono operation of the return, provided there is no jack plugged into the RIGHT RETURN jack.

EXAMPLE: If you have a mono signal, plug it into the Left mono input; you will have mono return. If you have a stereo signal, plug the Left signal into the Left/mono jack and the Right signal in the Right jack. You will have stereo return.

OUTPUTS

AUX OUTPUTS (45)

Mono (1/4" Tip-Sleeve) AUX MIX outputs. Aux outputs' uses include effects sends, extra mix outputs, head-phone mixes, etc.

MAIN OUTPUTS RIGHT/LEFT (46)

Outputs of L & R mixes. Used as outputs for power amps or +4 dBV tape recorders, etc.

Each (LEFT and RIGHT) output provides a balanced signal on a Tip-Ring-Sleeve jack. The 1/4" jack's Tip provides signal that is in phase. Connecting the Ring will provide Phase reversed signal.

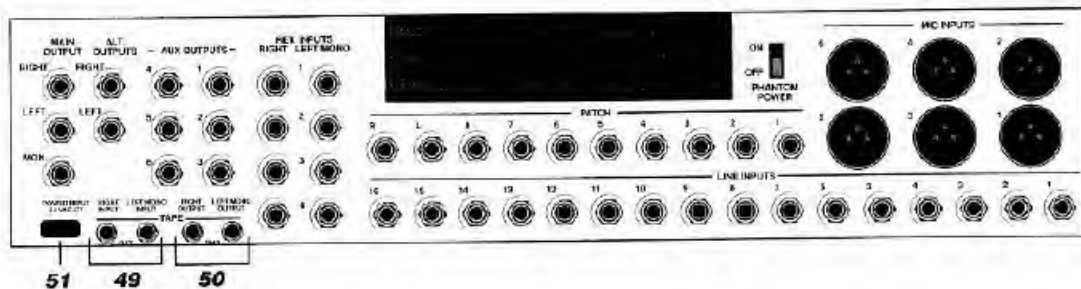
"TWEAK" NOTE: If these outputs are to be used as unbalanced signal sources, we strongly recommend the use of Tip-Ring-Sleeve 1/4" jacks with the ring unconnected.

ALT. OUTPUT RIGHT/LEFT (47)

Provides two alternate mix outputs. Any muted channels show up on this bus.

MON OUTPUT (48)

Output from the pre-EQ monitor mix. This mix is most commonly used for stage monitoring.



TAPE INPUTS: (RIGHT INPUT, LEFT MONO INPUT) (49)

Provides for connection of -10 dBV outside signal sources such as tape recorders, videotape sound outputs, etc. CD players may also be connected to these inputs provided that Tape Level (34) is adjusted, as most CD players operate at 0 dBV and their signals need to be attenuated.

TAPE OUTPUTS: (RIGHT OUTPUT, LEFT MONO OUTPUT) (50)

Provides for output connection to -10 dBV devices such as tape recorders, etc.

NOTE: The tape outputs and inputs are supplied with a unique interlocked switching facility for tape PLAY/RECORD. This facility allows only the inputs or the outputs to be active at one time. This allows a tape deck to be connected and used for both play and record without the potential for feedback, which would be possible if the signal were to be fed-back through the tape recorder's tape monitoring electronics.

POWER INPUT 34 VAC-CT (51)

The external power supply, provided with your unit, should be connected (plugged in) here.

CAUTION: Use only the Peavey power supply provided with this product. If the original power supply must be replaced, consult your Peavey dealer or the factory for the correct replacement. Failure to use the correct power supply could result in fire, shock hazard, extensive circuit damage, decreased performance, or nonoperation.

SOME TYPICAL APPLICATION PATCHES

Small mono PA patch with 1 monitor mix
Stereo PA with 2 monitor mixes
8-track recording setup
A typical church patch

SPECIFICATIONS

Dimensions: 19" W x 1.75" H (1 standard I.U.) x "n" D
Weight: Mixer — 16.8 lbs. (37 kg)
Power Supply — 2 lbs. (4.4 kg)

SPECIFICATIONS

1. All specifications are typical unless otherwise noted.
2. All measurements are taken with Versamix™ controls set to 0 dB, detent position, or in the absence of these to 50% rotation, except pan controls, which are assigned to the output bus, unless otherwise noted.
3. 0 dBV = 1 Volt RMS

CH 1-6 PREAMP MIC

Gain: Max: 55.5 dB
Min: 1.5 dB
Nom/Det: 0 dB

Frequency Response:
±1 dB, 12 Hz to 22.5 kHz

Distortion:
@ 1 kHz, .007%

Equivalent Input Noise:
@ Max Gain, 150 Ohms:
-131.5 dBV

CMRR:
95 dB

Max Input:
+18 dBV

Input Impedance:
13 Kilohms

CH 7-16 PREAMP LINE

Gain: Max: 25 dB
Min: -65 dB
Nom/Det: 0 dB

Max Input:
26 dBV

Input Impedance:
24 Kilohms

Frequency Response:
± 1 dB, 12 Hz to 22.5 kHz

Distortion:
@ 1 kHz, .0085%

CH 1-8

Patch: (1-8)
Nom Output: -10 dBV

CH 1-16

EQ:
Hi: ±15 dB @ 50 Hz
Mid: ±12 dB @ 600 Hz
Low: ±15 dB @ 10 kHz

Fader:
Gain: 10 dB
Atten: 70 dB

Pan:
Atten 50%: -3 dB
(Constant Power)
Max Atten: 70 dB

Mute:
Attenuation: 70 dB

LED:
Illumination Level: +12 dBV

Mon Sends:
Nom Output: 0 dBV
Max Out: +18 dBV

Aux Sends:
Nom Output: 0 dBV
Max Out: +18 dBV

MASTER SECTION

Noise: (L&R)
Residual:¹ -96 dBV
Bus:² -84.5 dBV
Nominal:³ -82.5 dBV

Hum:
-115 dBV

Noise: (Aux 1-6, Mon)
Bus:² -82 dBV
Nominal:³ -78 dBV

Fader: (L&R)
Gain: 10 dB
Attenuation: 75 dB

Mute:
Attenuation: 100 dB

Tape Return: (RCA)
Nominal Level: -10 dBV
Max Input: +3.5 dBV
Minimum: -22 dBV
Impedance: 15 Kilohms

Tape Output: (RCA)
Nom Level: -11 dBV
Max Level: +7 dBV
Impedance: 2.4 Kilohms

Record/Play Select:

Output Muting: -75 dB
Input Muting: -83 dB

Returns: (1-4)

Nominal Level: 0 dBV
Max Input Level: +13.5 dBV
Minimum Level: -14 dBV
Min Gain: -60 dB

Returns to Monitor: (2 & 4 Only)

Nominal Level: 0 dBV
Max Input Level: +13.5 dBV
Minimum Level: -14 dBV

Main Outputs: (L&R)

Balanced:
Nominal: +3 dBV
Max Level: +24 dBV
Impedance: 300 Ohms
Unbalanced:
Nominal: 0 dBV
Max Level: +18 dBV
Impedance: 150 Ohms

Monitor Output:

Nominal: 0 dBV
Max Level: +18 dBV
Impedance: 100 Ohms

Aux Outputs: (1-6)

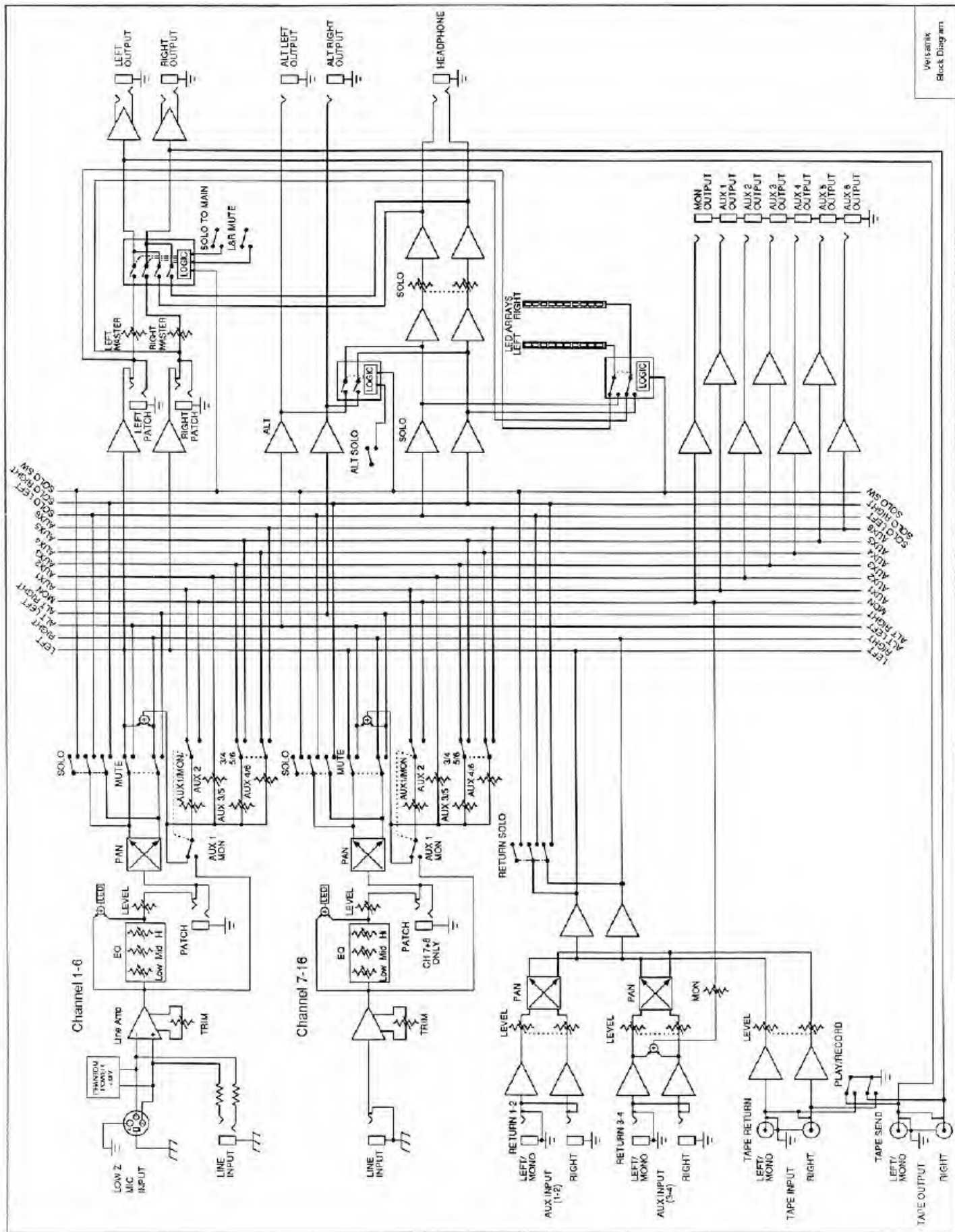
Nominal: 0 dBV
Max Level: +18 dBV
Impedance: 100 Ohms

Notes:

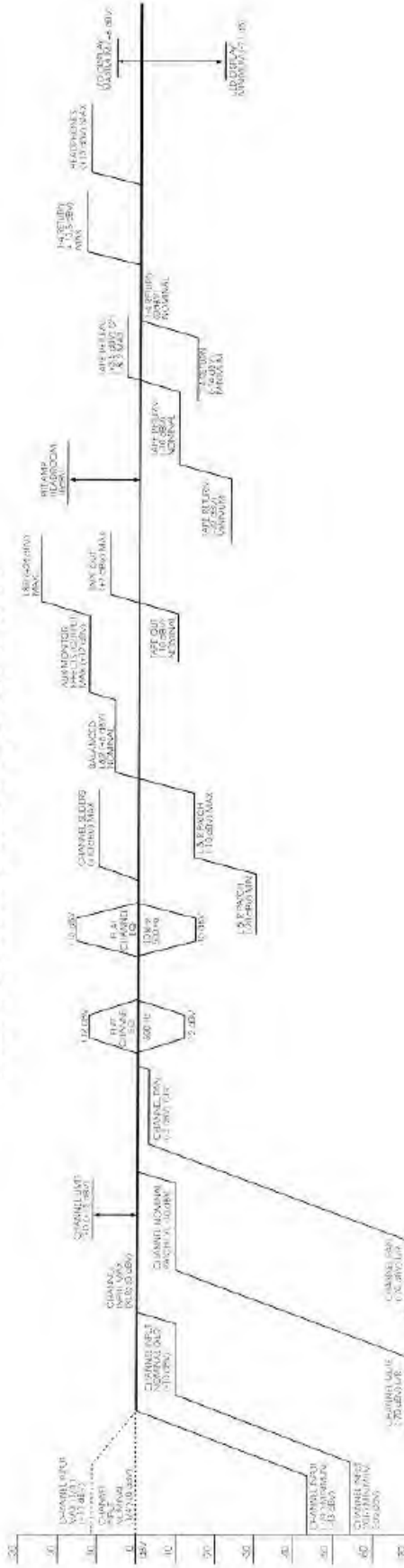
¹ Residual noise is measured wide-band (20-20 kHz) with Master fader or level control at minimum gain position.

² Bus noise is measured wideband (20-20 kHz) with master fader at nominal position, all channel faders and input level controls at minimum gain position, Pans assigned to bus.

³ Nominal noise is measured wide-band (20-20 kHz) with all controls assignable to the bus assigned and in nominal position except pan pots which are assigned directly to the bus under test and mic input trims which are set for a gain of 30 dB. Mic inputs are terminated with 150 Ohm resistors.



VERSAMIX LEVEL CHART



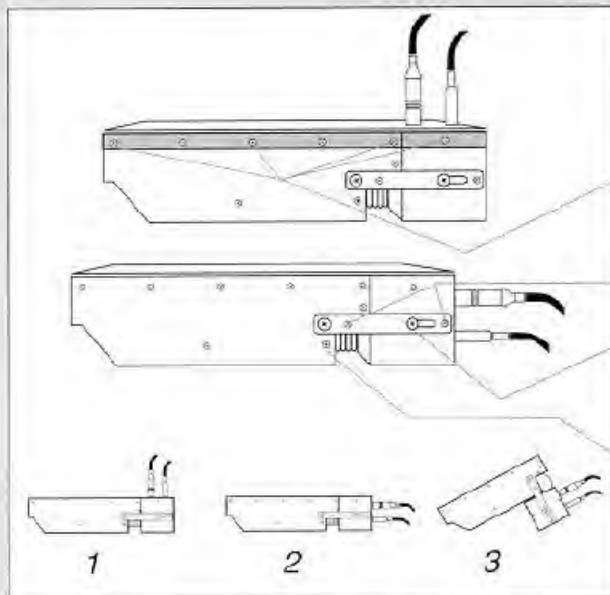
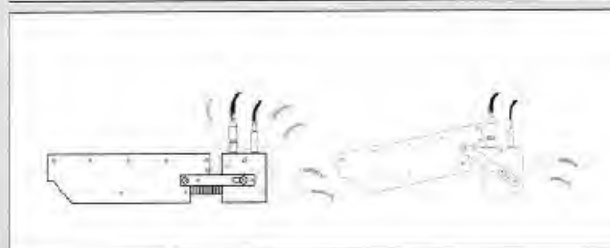


TABLE TOP POSITIONS

Follow these instructions for both sides of the mixer to change position of the patch panel:

- A) Take off rack-mount ears by removing the 4 screws common to both the RM ears and the mixer chassis and then replace the screws to secure chassis (**This is table top position 1**)
- B) Remove the 2 locking screws securing the swivel arm in position
- C) Loosen the friction screw on the patch panel side of the swivel arm enough to clear any near by chassis screw heads when rotating panel.
- D) Rotate patch panel to any of the other 2 standard table top positions and replace locking screws and tighten the friction screw

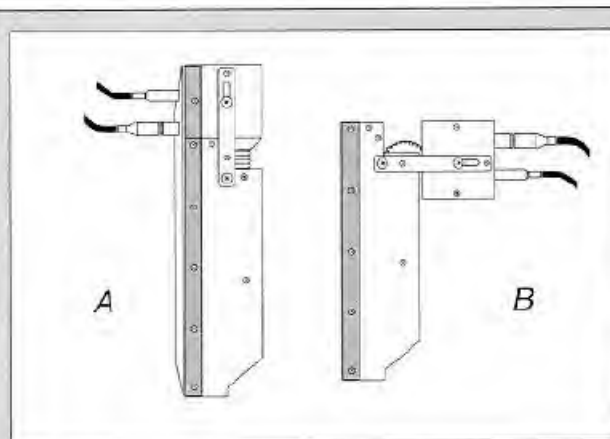
NOTE: For locking table top position 3 you will need to remove the screw right below the swivel arm on the mixer chassis. Replace the screw when swivel arm is aligned and patch panel is positioned.



UNLOCKED POSITIONS

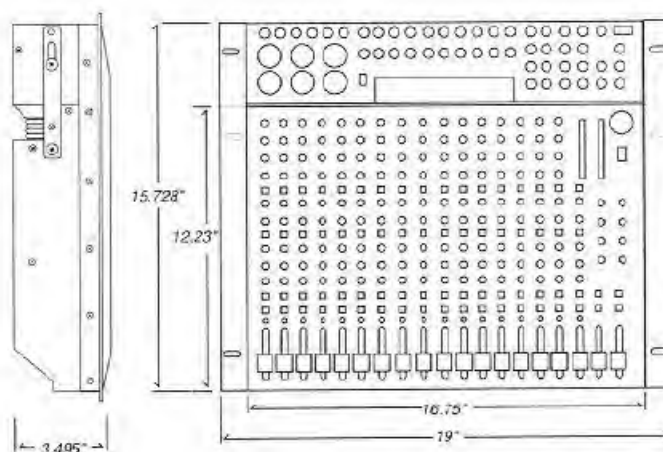
It is possible to put the patch panel in a variety of other positions by following the above instructions and instead of replacing the locking screws, just tighten the friction screw when the desired angle is reached.

*Caution: Positions without locking screws in place will be less stable.

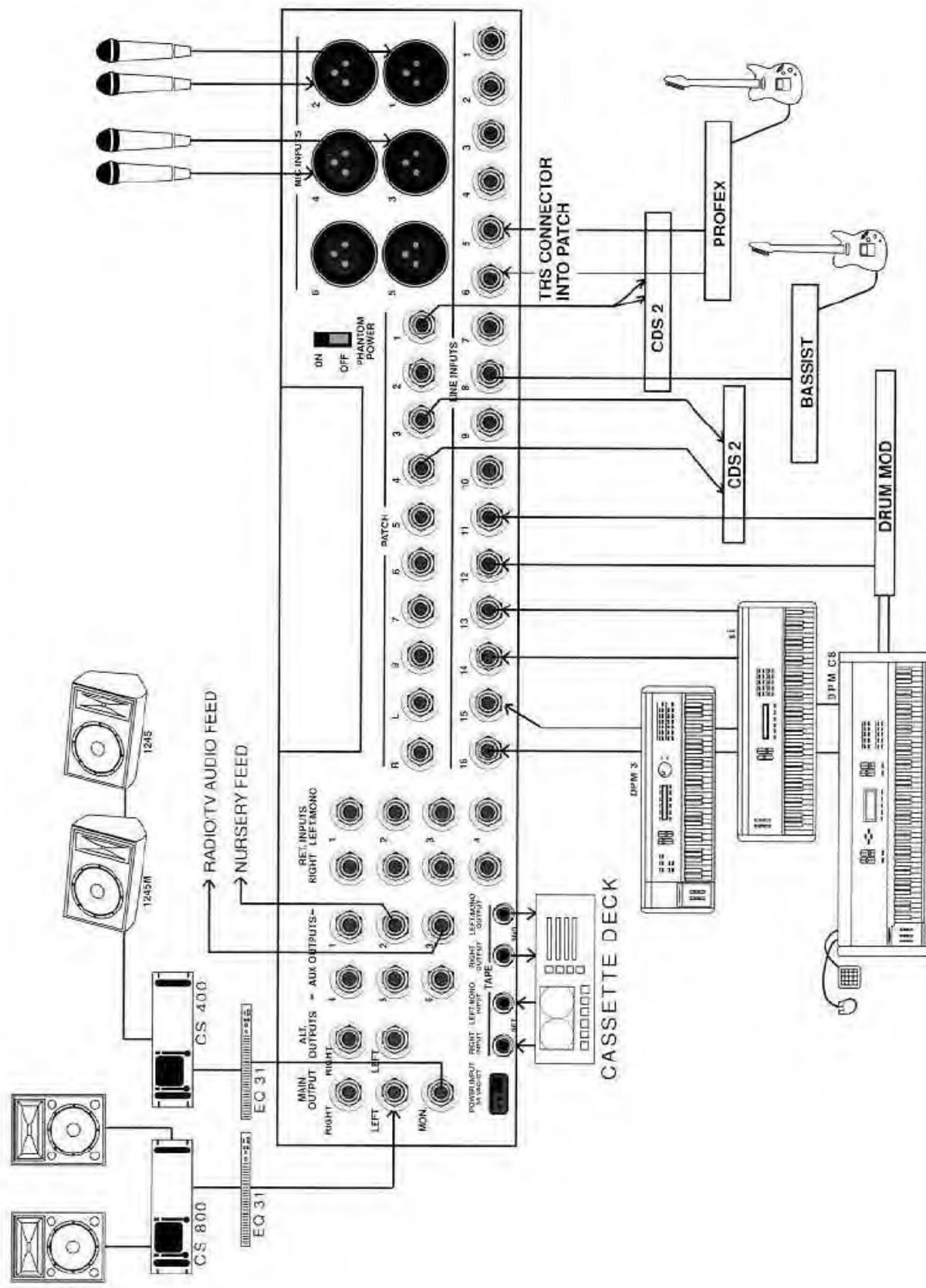


RACK OPTIONS

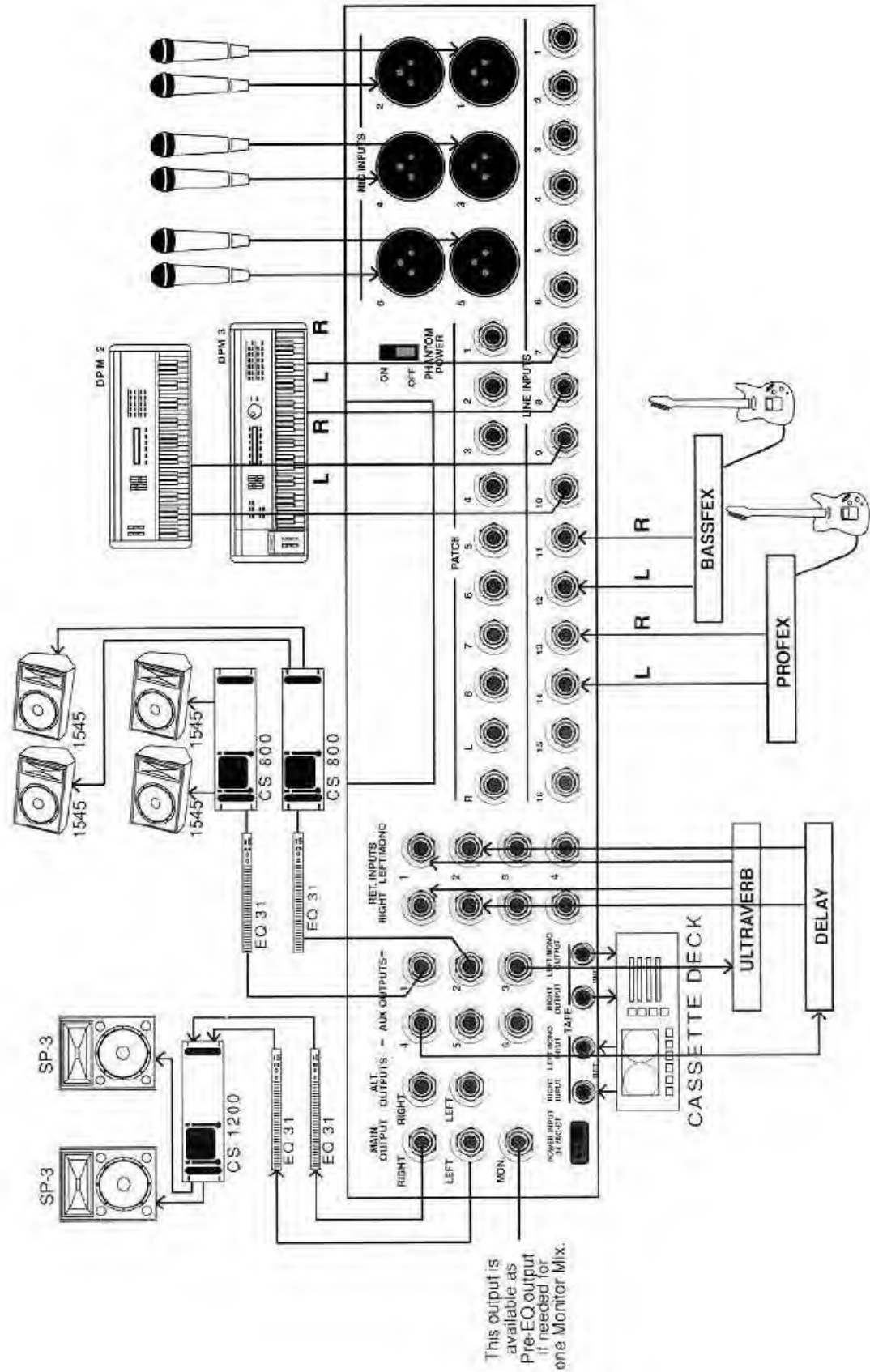
- A) Patch panel facing forward with use of large rack ears
- B) Patch panel facing rear with use of smaller rack ears



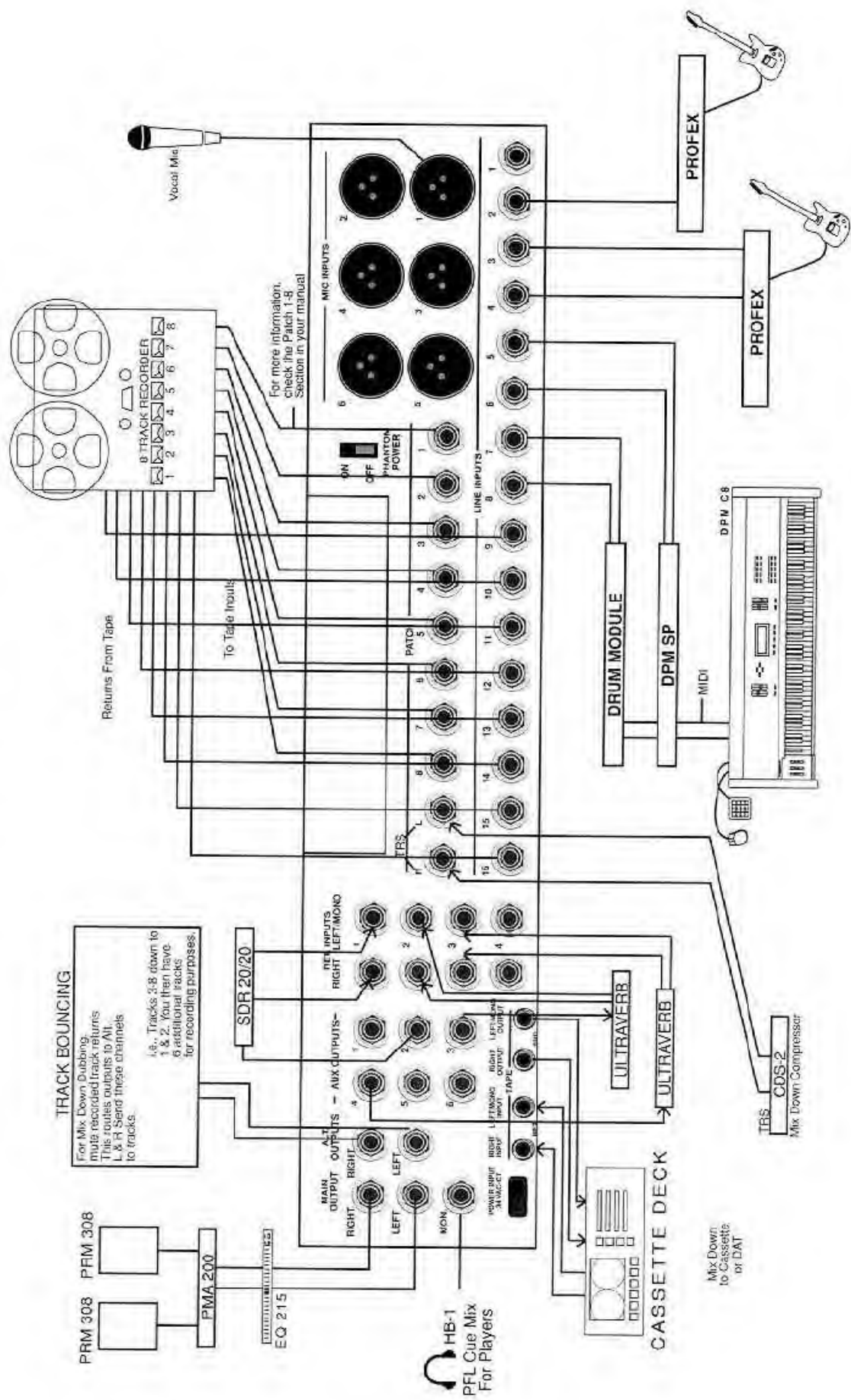
I. SMALL MONO P.A., 1 MONITOR MIX



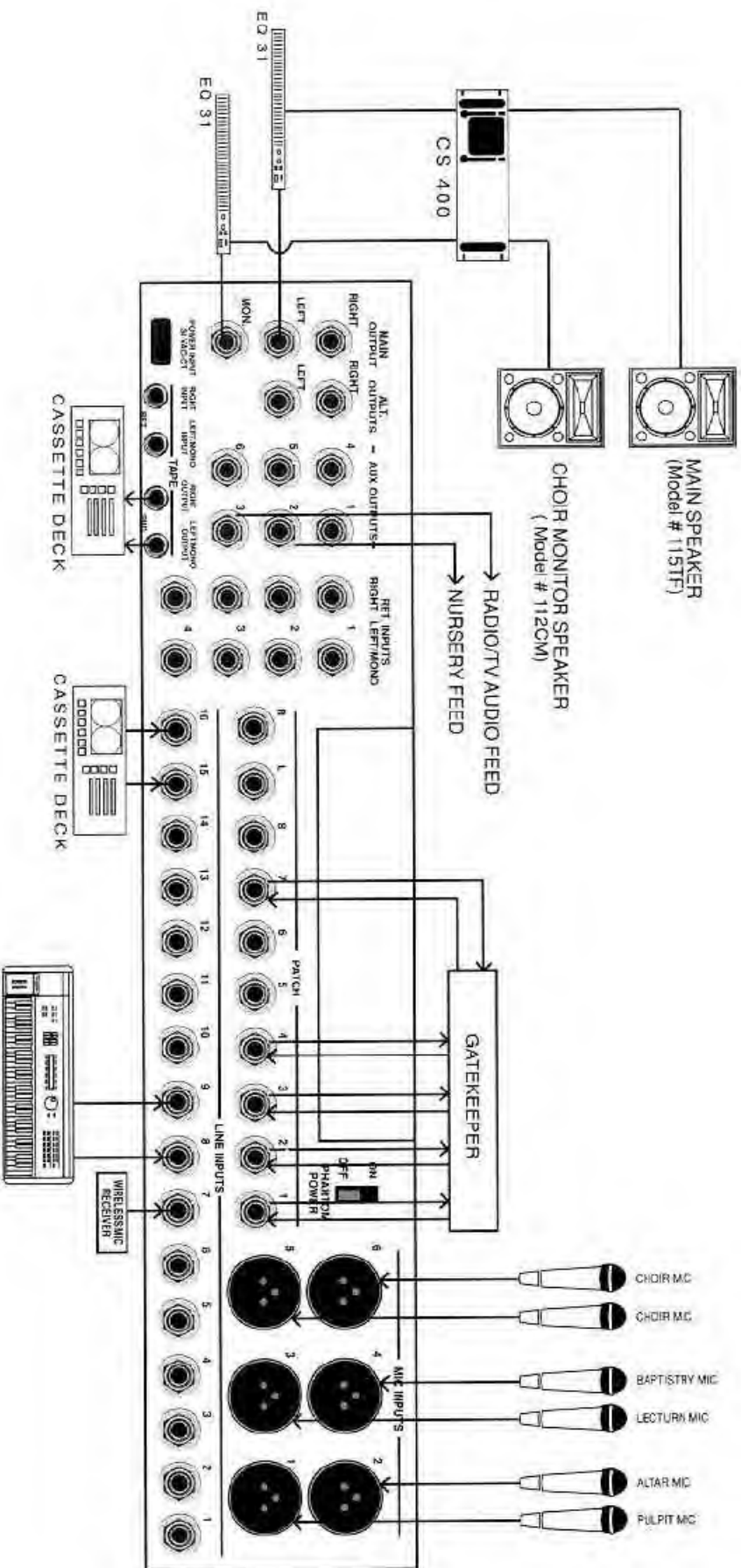
II. STEREO PA - 2 MONITOR MIXES



III. 8 TRACK RECORDING SETUP



A TYPICAL CHURCH PATCH



THIS LIMITED WARRANTY VALID ONLY WHEN PURCHASED AND REGISTERED IN THE UNITED STATES OR CANADA. ALL EXPORTED PRODUCTS ARE SUBJECT TO WARRANTY AND SERVICES TO BE SPECIFIED AND PROVIDED BY THE AUTHORIZED DISTRIBUTOR FOR EACH COUNTRY.

Ces clauses de garantie ne sont valables qu'aux Etats-Unis et au Canada. Dans tous les autres pays, les clauses de garantie et de maintenance sont fixées par le distributeur national et assurées par lui selon la législation en vigueur.
Diese Garantie ist nur in den USA und Kanada gültig. Alle Export-Produkte sind der Garantie und dem Service des Importeurs des jeweiligen Landes unterworfen.
Esta garantía es válida solamente cuando el producto es comprado en E.U. continentales o en Canada. Todos los productos que sean comprados en el extranjero, están sujetos a las garantías y servicio que cada distribuidor autorizado determine y ofrezca en los diferentes países.

PEAVEY ONE-YEAR LIMITED WARRANTY/REMEDY

PEAVEY ELECTRONICS CORPORATION ("PEAVEY") warrants this product, EXCEPT for covers, footswitches, patchcords, tubes and meters, to be free from defects in material and workmanship for a period of one (1) year from date of purchase, PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is subject to the conditions, exclusions, and limitations hereinafter set forth:

PEAVEY 90-DAY LIMITED WARRANTY ON TUBES AND METERS

If this product contains tubes or meters, Peavey warrants the tubes or meters contained in the product to be free from defects in material and workmanship for a period of ninety (90) days from date of purchase; PROVIDED, however, that this limited warranty is extended only to the original retail purchaser and is also subject to the conditions, exclusions, and limitations hereinafter set forth.

CONDITIONS, EXCLUSIONS, AND LIMITATIONS OF LIMITED WARRANTIES

These limited warranties shall be void and of no effect, if:

- a. The first purchase of the product is for the purpose of resale; or
 - b. The original retail purchase is not made from an AUTHORIZED PEAVEY DEALER; or
 - c. The product has been damaged by accident or unreasonable use, neglect, improper service or maintenance, or other causes not arising out of defects in material or workmanship; or
 - d. The serial number affixed to the product is altered, defaced, or removed.
- In the event of a defect in material and/or workmanship covered by this limited warranty, Peavey will:
- a. In the case of tubes or meters, replace the defective component without charge.
 - b. In other covered cases (i.e., cases involving anything other than covers, footswitches, patchcords, tubes or meters), repair the defect in material or workmanship or replace the product, at Peavey's option; and provided, however, that, in any case, all costs of shipping, if necessary, are paid by you, the purchaser.

THE WARRANTY REGISTRATION CARD SHOULD BE ACCURATELY COMPLETED AND MAILED TO AND RECEIVED BY PEAVEY WITHIN FOURTEEN (14) DAYS FROM THE DATE OF YOUR PURCHASE.

In order to obtain service under these warranties, you must:

- a. Bring the defective item to any PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER and present therewith the ORIGINAL PROOF OF PURCHASE supplied to you by the AUTHORIZED PEAVEY DEALER in connection with your purchase from him of this product.
If the DEALER or SERVICE CENTER is unable to provide the necessary warranty service you will be directed to the nearest other PEAVEY AUTHORIZED DEALER or AUTHORIZED PEAVEY SERVICE CENTER which can provide such service.

OR

- b. Ship the defective item, prepaid, to:

PEAVEY ELECTRONICS CORPORATION
International Service Center
Highway 80 East
MERIDIAN, MS 39301

including therewith a complete, detailed description of the problem, together with a legible copy of the original PROOF OF PURCHASE and a complete return address. Upon Peavey's receipt of these items:

If the defect is remedial under these limited warranties and the other terms and conditions expressed herein have been complied with, Peavey will provide the necessary warranty service to repair or replace the product and will return it, FREIGHT COLLECT, to you, the purchaser.

Peavey's liability to the purchaser for damages from any cause whatsoever and regardless of the form of action, including negligence, is limited to the actual damages up to the greater of \$500.00 or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. Such purchase price will be that in effect for the specific product when the cause of action arose. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. Peavey does not assume liability for personal injury or property damage arising out of or caused by a non-Peavey alteration or attachment, nor does Peavey assume any responsibility for damage to interconnected non-Peavey equipment that may result from the normal functioning and maintenance of the Peavey equipment.

UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, ANY INCIDENTAL DAMAGES, OR ANY CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

THESE LIMITED WARRANTIES ARE IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE; PROVIDED, HOWEVER, THAT IF THE OTHER TERMS AND CONDITIONS NECESSARY TO THE EXISTENCE OF THE EXPRESSED, LIMITED WARRANTIES, AS HEREINABOVE STATED, HAVE BEEN COMPLIED WITH, IMPLIED WARRANTIES ARE NOT DISCLAIMED DURING THE APPLICABLE ONE-YEAR OR NINETY-DAY PERIOD FROM DATE OF PURCHASE OF THIS PRODUCT.

SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THESE LIMITED WARRANTIES GIVE YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

THESE LIMITED WARRANTIES ARE THE ONLY EXPRESSED WARRANTIES ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY, OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY.

In the event of any modification or disclaimer of expressed or implied warranties, or any limitation of remedies, contained herein conflicts with applicable law, then such modification, disclaimer or limitation, as the case may be, shall be deemed to be modified to the extent necessary to comply with such law.

Your remedies for breach of these warranties are limited to those remedies provided herein and Peavey Electronics Corporation gives this limited warranty only with respect to equipment purchased in the United States of America.

INSTRUCTIONS — WARRANTY REGISTRATION CARD

1. Mail the completed WARRANTY REGISTRATION CARD to:

PEAVEY ELECTRONICS CORPORATION
POST OFFICE BOX 2898
MERIDIAN, MISSISSIPPI 39302-2898

- a. Keep the PROOF OF PURCHASE. In the event warranty service is required during the warranty period, you will need this document. **There will be no identification card issued by Peavey Electronics Corporation.**
2. IMPORTANCE OF WARRANTY REGISTRATION CARDS AND NOTIFICATION OF CHANGES OF ADDRESSES:
 - a. Completion and mailing of WARRANTY REGISTRATION CARDS — Should notification become necessary for any condition that may require correction, the REGISTRATION CARD will help ensure that you are contacted and properly notified.
 - b. Notice of address changes — If you move from the address shown on the WARRANTY REGISTRATION CARD, you should notify Peavey of the change of address so as to facilitate your receipt of any bulletins or other forms of notification which may become necessary in connection with any condition that may require dissemination of information or correction.
3. You may contact Peavey directly by telephoning (601) 483-5365

IMPORTANT SAFETY INSTRUCTIONS

WARNING When using electric products, basic cautions should always be followed, including the following.

1. Read all safety and operating instructions before using this product.
2. All safety and operating instructions should be retained for future reference.
3. Obey all cautions in the operating instructions and on the back of the unit.
4. All operating instructions should be followed.
5. This product should not be used near water, i.e., a bathtub, sink, swimming pool, wet basement, etc.
6. This product should be located so that its position does not interfere with its proper ventilation. It should not be placed flat against a wall or placed in a built-in enclosure that will impede the flow of cooling air.
7. This product should not be placed near a source of heat such as a stove, radiator, or another heat producing amplifier.
8. Connect only to a power supply of the type marked on the unit adjacent to the power supply cord.
9. Never break off the ground pin on the power supply cord. For more information on grounding, write for our free booklet "Shock Hazard and Grounding."
10. Power supply cords should always be handled carefully. Never walk or place equipment on power supply cords. Periodically check cords for cuts or signs of stress, especially at the plug and the point where the cord exits the unit.
11. The power supply cord should be unplugged when the unit is to be unused for long periods of time.
12. If this product is to be mounted in an equipment rack, rear support should be provided.
13. Metal parts can be cleaned with a damp rag. The vinyl covering used on some units can be cleaned with a damp rag, or an ammonia-based household cleaner if necessary. Disconnect unit from power supply before cleaning.
14. Care should be taken so that objects do not fall and liquids are not spilled into the unit through the ventilation holes or any other openings.
15. This unit should be checked by a qualified service technician if
 - a. The power supply cord or plug has been damaged.
 - b. Anything has fallen or been spilled into the unit.
 - c. The unit does not operate correctly.
 - d. The unit has been dropped or the enclosure damaged.
16. The user should not attempt to service this equipment. All service work should be done by a qualified service technician.
17. This product should be used only with a cart or stand that is recommended by Peavey Electronics.
18. Exposure to extremely high noise levels may cause a permanent hearing loss. Individuals vary considerably in susceptibility to noise induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a sufficient time.

The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the following permissible noise level exposures.

Duration Per Day In Hours	Sound Level dBA, Slow Response
8	90
6	92
4	95
3	97
2	100
1½	102
1	105
½	110
¼ or less	115

According to OSHA, any exposure in excess of the above permissible limits could result in some hearing loss.

Ear plugs or protectors in the ear canals or over the ears must be worn when operating this amplification system in order to prevent a permanent hearing loss if exposure is in excess of the limits as set forth above. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels such as this amplification system be protected by hearing protectors while this unit is in operation.

SAVE THESE INSTRUCTIONS



Features and specifications subject to change without notice.

Peavey Electronics Corporation 711 A Street / Meridian, MS 39302-2898 / U.S.A. / (601) 483-5365 / Telex 504115 / Fax 484-4278
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